

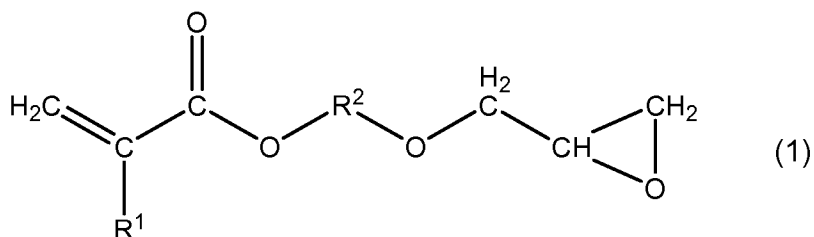
Amendments to the Claims

This is a complete listing of claims and supersedes all other listings:

1. (currently amended) ~~A photosensitive resin composition comprising~~ A method for forming a hydrogel by subjecting a photosensitive resin composition to photopolymerization, the photosensitive resin composition comprising

a poly((meth)acrylic acid)-based water-soluble photo-sensitive resin (A) having an acid value of 170 mgKOH/g or more on a solid basis;

the resin (A) being formed of a ((meth)acrylic acid)-based polymer in which a compound represented by formula (1):



wherein R¹ represents H or Me; and R² represents a linear or branched C₂-C₁₀ alkylene group, has been added to portions of carboxyl groups of (meth)acrylic acid composing the ((meth)acrylic acid)-based polymer,

a photopolymerization initiator (B); and

water (C).

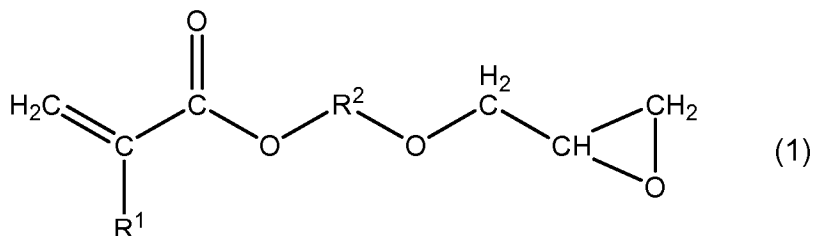
2. (currently amended) ~~A photosensitive resin composition~~ A method for forming a hydrogel according to claim 1, wherein the carboxyl groups of the ((meth)acrylic acid)-based polymer to which the compound represented by formula (1) has not been added are at least partially neutralized with an alkali.

3. (canceled)

4. (Previously presented) A hydrogel produced by subjecting a photosensitive resin composition to photopolymerization, the photosensitive resin composition comprising

a poly((meth)acrylic acid)-based water-soluble photo-sensitive resin (A) having an acid value of at least about 170 mgKOH/g on a solid basis;

the resin (A) being formed of a ((meth)acrylic acid)-based polymer in which a compound represented by formula (1):



wherein R^1 represents H or Me; and R^2 represents a linear or branched C2-C10 alkylene group, has been added to portions of carboxyl groups of (meth)acrylic acid composing the ((meth)acrylic acid)-based polymer,

a photopolymerization initiator (B); and

water (C).

5. (Previously presented) A hydrogel according to claim 4, wherein the carboxyl groups of the ((meth)acrylic acid)-based polymer to which the compound represented by formula (1) has not been added are at least partially neutralized with alkali.